

# Pull Request Helper

Assigned by Kunal

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# Work Flow

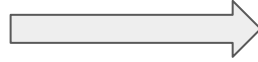
step1

Requirement



step2

Analyse



step3

Design



step4

Code

# Requirement

Automatically close pull requests that are open for too long.

# Analyse

## What feature do we need:

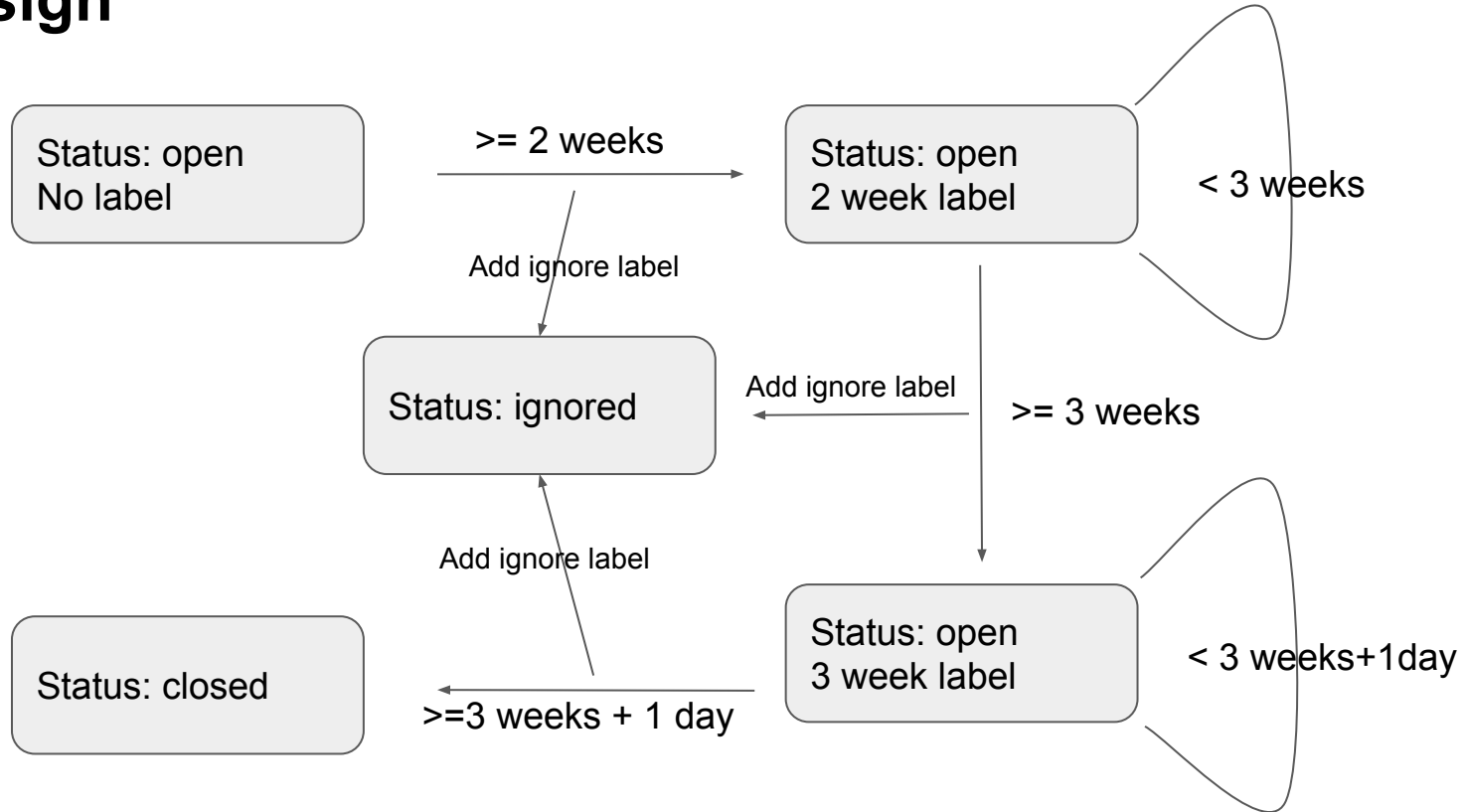
- Script should be able to close pull request
- Script should be able to remind people related to the pull request before closing it
- Script should be able to run statelessly (do not need to store info on local memory)

# Analyse

**To achieve those features above, we need:**

- Be able to detect and change the status of a pull request
- Be able to comment on a pull request (commenting will activate github to send emails)
- Be able to take use of label info to run statelessly

# Design



# Code

## Initialize

### create\_label\_init()

```
If 2_week_label in target_label:  
    pass  
else  
    create_new_label(2_week_label)  
  
If 3_week_label in target_label:  
    pass  
else  
    create_new_label(3_week_label)  
  
If ignore_label in target_label:  
    pass  
else  
    create_new_label(ignore_label)
```

### add\_label\_init()

```
for issue in all_issues do  
    if issue is pr:  
  
        If duration< 2 week:  
            pass  
        elif duration< 3 week:  
            add_label(2_week)  
            add_comment(2_week)  
        else  
            add_label(3_week)  
            If ignore_label in target_label:  
                add_comment(3_week_ignore)  
            else  
                add_comment(3_week)
```

# Code

## **pr\_helper()**

```
for issue in all_issues do
    if issue is pr then:

        If ignore_label in target_label:
            design reminder or something (for later design)
            continue

        If 2_week_label and 3_week_label not in target_label and \
        duration>2 week:
            add_label(2_week)
            add_comment(2_week)

        else:

            If 2_week_label in target_label and duration>3 week:
                add_label(3_week)
                add_comment(3_week)

            elif 3_week_label in target_label and duration>final day:
                close_pr()
```



# Code

- Code link:
- Reviewed by Chuan
- Tested on: <https://github.com/xw310/Test>